

**ABSTRACT OF THE INVENTION**

An ink-jet recording sheet comprising a substrate having thereon a porous layer formed by a process comprising the steps of:

- (a) coating on the substrate an aqueous coating composition containing a hydrophilic binder and inorganic particles to form the porous layer;
- (b) drying the porous layer over a period, wherein the period comprises at least a constant drying rate period and a falling drying rate period; and
- (c) incorporating a solution containing an additive into the porous layer after the completion of the constant drying rate period.

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